

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently Amended) A process for purifying an impure substance through emulsion crystallization comprising the steps of
  - (a) forming an emulsion of organic liquid droplets in a continuous water phase, which emulsion contains the impure substance;
  - (b) super-saturating the emulsion in the substance;
  - (c) inducing crystallization of the substance, whereby crystallization takes place in the water phase;
  - (d) isolating the crystals of the substance resulting from step (c) from the emulsion, yielding an emulsion-filtrate;
  - (e) dissolving additional impure substance in the emulsion-filtrate whereby the level of impurities builds up in the emulsion; and
  - (f) repeating steps (b)-(d) with the emulsion obtained from step (e).

2. (Original) A process according to claim 1 wherein crystals are isolated from emulsion in step (d) by centrifuge.

3. (Previously Presented) A process according to claim 1 wherein the emulsion is a micro-emulsion.

4. (Previously Presented) A process according to claim 1 wherein the emulsion is a macro-emulsion.

5. (Previously Presented) A process according to claim 1, wherein dissolving of additional impure substance in step (e) is carried out by ultrasound, heating and/or stirring.

6. (Previously Presented) A process according to claim 1, wherein the crystals isolated in step (d) are washed with water optionally containing surfactant.

7. (Original) A process according to claim 6 wherein the washing water is applied to the crystals during centrifuging.

8. (Previously Presented) A process according to claim 1, wherein crystallization is induced by seeding with seed crystals of the substance.

9. (Previously Presented) A process according to claim 1, wherein dissolving of additional impure substance in step (e) is carried out by stirring.

10. (Previously Presented) A process according to claim 1, wherein dissolving of additional impure substance in step (e) is carried out by ultrasound and/or heating.